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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|------------------------------|---------------------|------------------|
| 10/622,792 | 07/21/2003 | Charles Christopher Yearwood | | 3501 |

7590 06/21/2004

CHARLES CHRISTOPHER YEARWOOD
SEA HAVEN
NEW CASTLE
WEST INDIES,
SAINT KITTS AND NEVIS

EXAMINER

BAREFOOT, GALEN L

ART UNIT

PAPER NUMBER

3644

DATE MAILED: 06/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|------------------------|----------------------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/622,792 | YEARWOOD, CHARLES CHRISTOPHER | |
| | Examiner | Art Unit | |
| | Galen L Barefoot | 3644 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

Drawings

This application has been filed with informal drawings which are acceptable for examination purposes only. However Formal drawings are required with a response to this office action.

The claims are informal and repetitive in form and have been considered to be a single claim to avoid paying higher fees.

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claim 1 is rejected as failing to define the invention in the manner required by 35 U.S.C. 112, second paragraph.

The claim(s) are narrative in form and replete with indefinite and functional or operational language. The structure which goes to make up the device must be clearly and positively specified. The structure must be organized and correlated in such a manner as to present a complete operative device. The claim(s) must be in one sentence form only. Note the format of the claims in the patent(s) cited.

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it

pertains, or with which it is most nearly connected, to make and/or use the invention. It is not understood how slowing light in tube will accelerate mass out of the exhaust, especially to accelerate a craft to 150 times the speed of light .

It would appear that applicant is merely rotating an outer shell (how this is accomplished has not been clearly set forth either) and than slows light in a tube and than has reflectors R that will not reflect anything to the exhaust. There appears to be a lot details that applicant has left out of the disclosure. It is required that the application disclose the invention in such a way that one can make and use the invention without a having to reengineer all the details to make it operative.

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 1 is rejected under 35 U.S.C. 101 because the disclosed invention is inoperative and therefore lacks utility. It is not understood how slowing light in tube will accelerate mass out of the exhaust, especially to accelerate a craft to 150 times the speed of light .

It would appear that applicant is merely rotating an outer shell (how this is accomplished has not been clearly set forth either) and than slows light in a tube and than has reflectors R that will not reflect anything to the exhaust. There appears to be a lot details that applicant has left out of the disclosure. It is required that the application disclose the invention in such a way that one can make and use the invention without a having to reengineer all the details to make it operative.

Art Unit: 3644

It would be of great assistance to the Office if all incoming papers pertaining to a filed application carried the following items:

1. Serial number (checked for accuracy).
2. Group art unit number (copied from filing receipt or most recent Office Action).
3. Filing date.
4. Name of the examiner who prepared the most recent Office action.
5. Title of invention.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Galen Barefoot whose telephone number is (703) 308-2567 and fax no. (703) 305-7687

June 14, 2004



Galen Barefoot
Primary Examiner
Technology Center 3644